III. *An Extraordinary high Tide in the River* Thames *obſerv'd by Capt.* THO. JONES.

MARCH the 8th, 1725-6, The *Tide* in the *River Thames*, at *New Crane* in *Shadwell*, flow'd twenty Foot, five Inches and a half, taken by a Level, from that High-water Mark, to Low-water the next Morning, and was four Inches higher than has been known theſe fourty Years.

IV. *Obſervations upon the Tides in the River* Thames, *by Mr.* Henry de Saumarez.

THAT the Uſe of my Inſtrument call'd the * *Marine Surveyor* may yet farther appear, I ſhall here give ſome Experiments I made with it on the River *Thames*, in order to determine the Strength of the Tides of *Flood* and *Ebb*. Were the ſame to be done in the Channel, and on the Sea Coaſt of *Great Britain*, and mark'd in our Charts, I am humbly of Opinion, it would be of no ſmall advantage to our Commerce, and of conſequence a ſufficient Recommendation of the *Marine Surveyor*, if that alone were the Uſe of it.

I am induced the rather to be of this Opinion, in regard I am not inſenſible of the Dangers on the *Caſquets*, in the *Race* of *Alderney*, &c. where rapid Tides and Currents have occaſioned but too many to mourn the Loſs of Friends and Fortunes: As I dwell in the Neighbourhood of theſe Dangers, I have (in manifeſt hazard of my Life) ſurvey'd and taken correct Draughts not only of them, but of the Iſlands of *Guernſey*, *Sarck*, &c. And as I perſuade my ſelf they are as correct, as any Thing that has hitherto appear'd of this kind, it is my intent to publiſh them for the Good of the Publick.

* *Vid.* Philoſ. Tranſact. No. 391.